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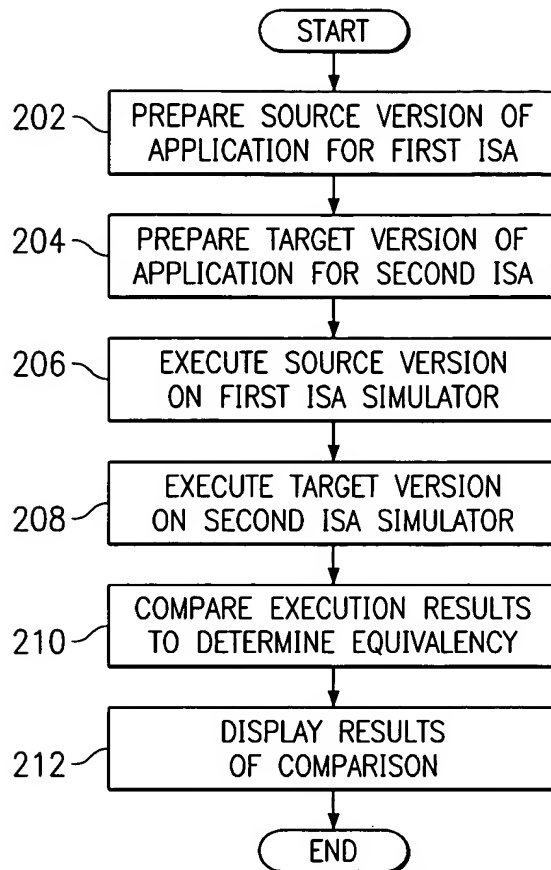


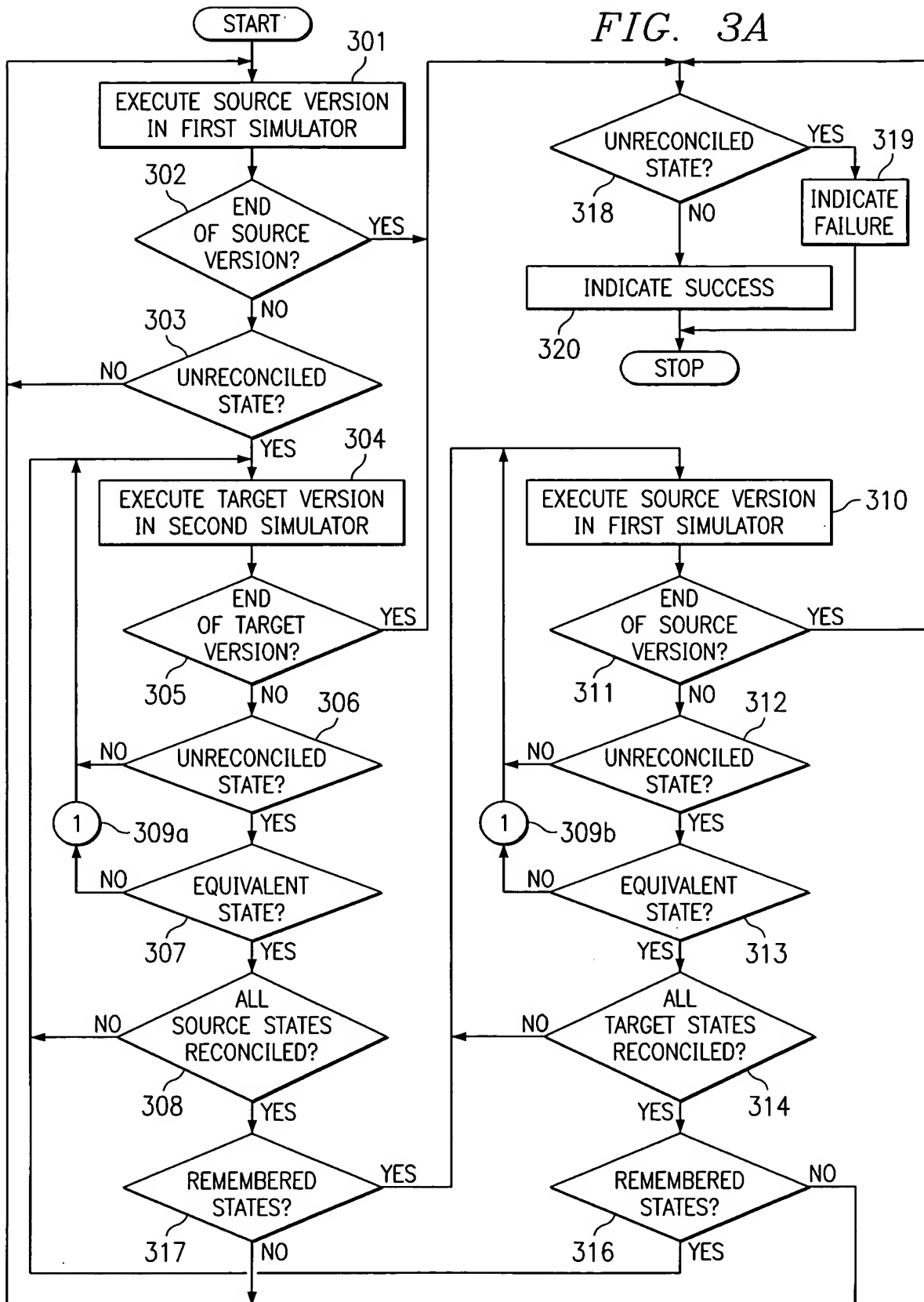
FIG. 2

403		405	404		406
SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE
401	STM data1, AR3	EMPTY	402	MOV data1, AR3	EMPTY
	LD #1, A			MOV #1, ACO	
	NOP			NOP	
	NOP			NOP	
	STL A, *AR3+			MOV ACO<<#0, AR3+	
	NOP			NOP	

FIG. 4A

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FIG. 3A



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FIG. 3B

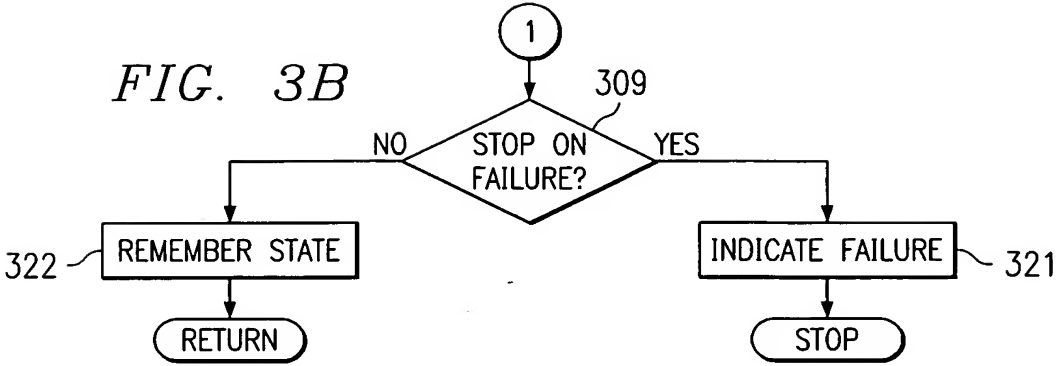


FIG. 4B

SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE
	STM data1, AR3	AR3=0x800		MOV data1, AR3	EMPTY
	LD #1, A		402	MOV #1, AC0	
401	NOP			NOP	
	NOP			NOP	
	STL A, *AR3+			MOV AC0<<#0, AR3+	
	NOP			NOP	

FIG. 4C

SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE
	STM data1, AR3	AR3=0x800		MOV data1, AR3	XAR3=0x430
	LD #1, A		402	MOV #1, AC0	
401	NOP			NOP	
	NOP			NOP	
	STL A, *AR3+			MOV AC0<<#0, AR3+	
	NOP			NOP	

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SOURCE EXECUTION	403 SOURCE	405 SOURCE STATE	TARGET EXECUTION	404 TARGET	406 TARGET STATE
	STM data1, AR3	AR3=0x800 A=1		MOV data1, AR3	XAR3= 0x430
	LD #1, A			MOV #1, AC0	
↗ 401	NOP		↗ 402	NOP	
	NOP			NOP	
	STL A, *AR3+			MOV AC0<<#0, AR3+	
	NOP			NOP	

FIG. 4D

SOURCE EXECUTION	403 SOURCE	405 SOURCE STATE	TARGET EXECUTION	404 TARGET	406 TARGET STATE
	STM data1, AR3	AR3=0x800 A=1		MOV data1, AR3	XAR3= 0x430 AC0=1
	LD #1, A			MOV #1, AC0	
↗ 401	NOP		↗ 402	NOP	
	NOP			NOP	
	STL A, *AR3+			MOV AC0<<#0, AR3+	
	NOP			NOP	

FIG. 4E

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	403 SOURCE	405 SOURCE STATE		404 TARGET	406 TARGET STATE
SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE
	STM data1, AR3	AR3=0x800 (*AR3)=1		MOV data1, AR3	XAR3=0x430
	LD #1, A			MOV #1, ACO	
	NOP		→	NOP	
	NOP		402	NOP	
401	STL A, *AR3+			MOV ACO<<#0, AR3+	
→	NOP			NOP	

FIG. 4F

	403 SOURCE	405 SOURCE STATE		404 TARGET	406 TARGET STATE
SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE
	STM data1, AR3	AR3=0x800 (*AR3)=1		MOV data1, AR3	XAR3=0x430 (*XAR3)=1
	LD #1, A			MOV #1, ACO	
	NOP			NOP	
	NOP			NOP	
401	STL A, *AR3+		402	MOV ACO<<#0, AR3+	
→	NOP		→	NOP	

FIG. 4G

FIG. 4H

403		405	404		406
SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE
	STM data1, AR3	EMPTY		MOV data1, AR3	EMPTY
	LD #1, A			MOV #1, AC0	
	NOP			NOP	
	NOP			NOP	
401 →	STL A, *AR3+		402 →	MOV AC0<<#0, AR3+	
	NOP			NOP	

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FIG. 5A

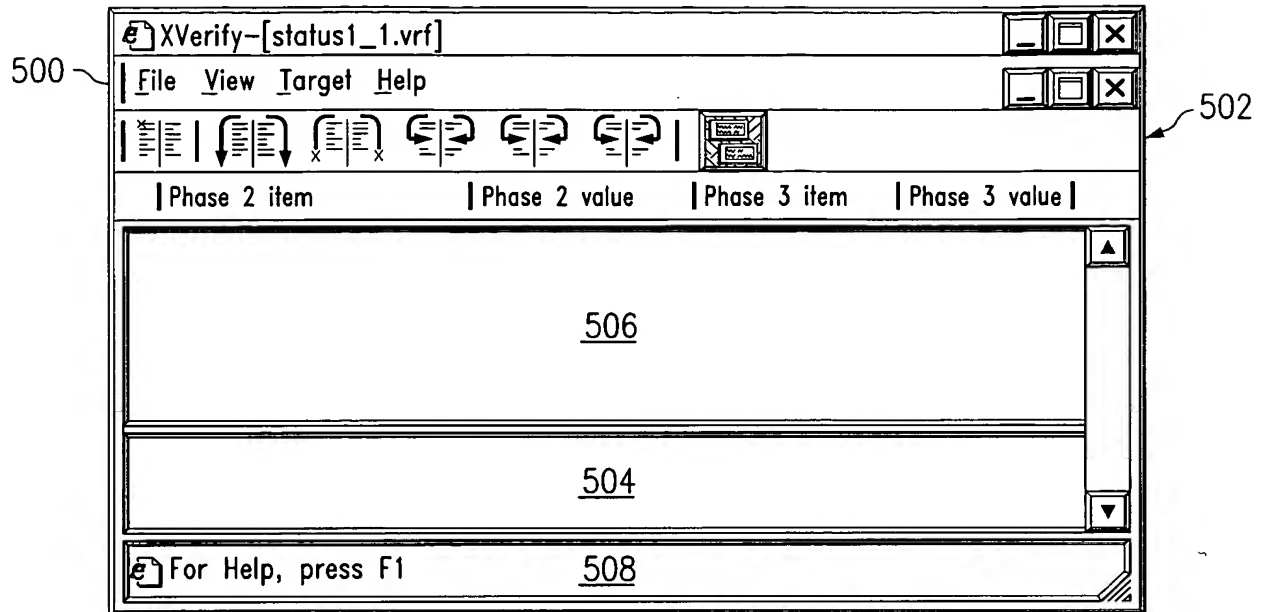


FIG. 5B

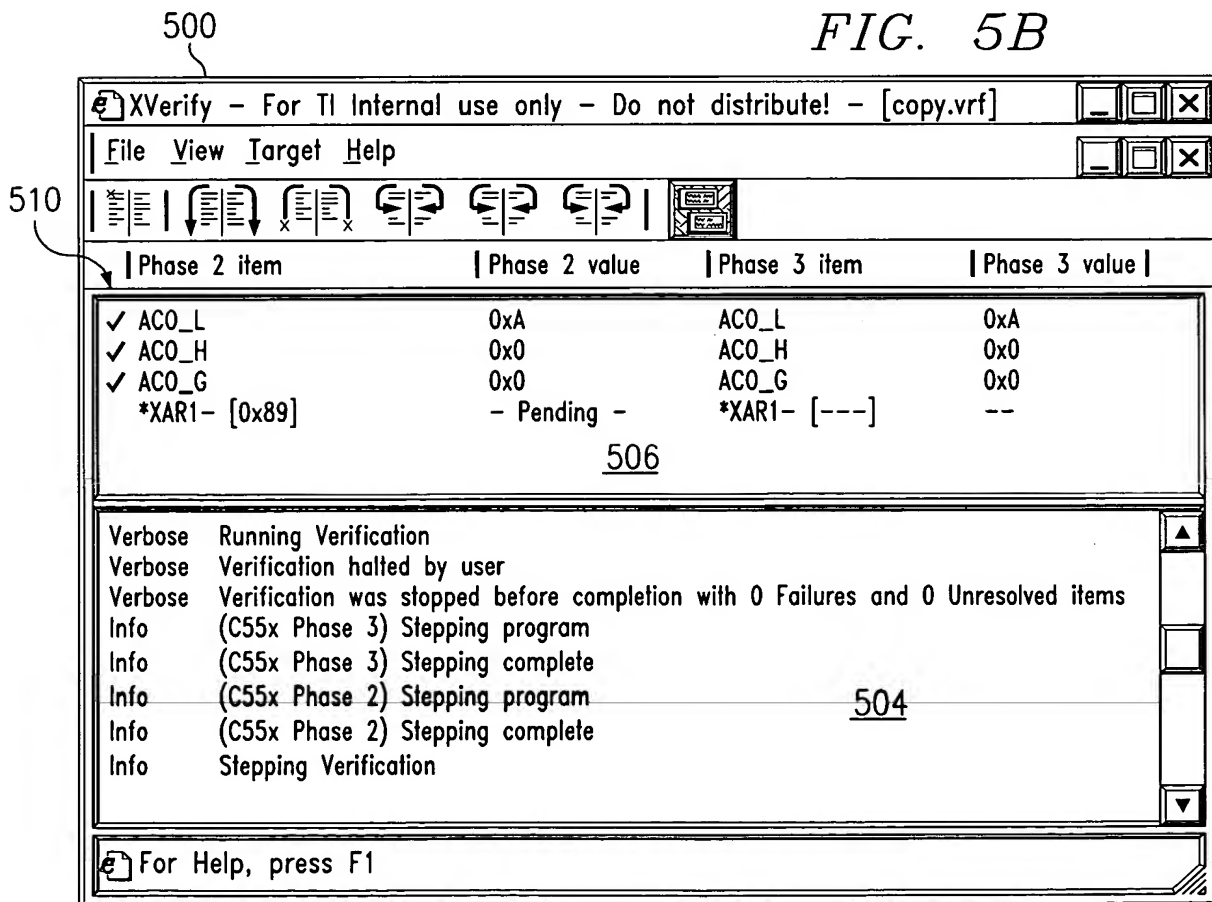


FIG. 6A

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The dialog box is titled "Xverify Options:" and has a standard Windows-style title bar with a question mark and a close button. It features a tabbed interface with six tabs: "Files" (labeled 630), "Triggers" (labeled 631), "Verification" (labeled 632), "Registers" (labeled 633), "Display" (labeled 634), and "Comments" (labeled 635). The "Files" tab is currently selected. Inside the tab, there are three main sections: "Source Program" with a "File:" field containing "c54cm1_p2.out" and a browse button "...", and an "Execute On:" section with radio buttons for "Simulator" (selected) and "Emulator". The "Target Program" section is identical, with a "File:" field containing "c54cm1_p3.out" and "Execute On:" radio buttons for "Simulator" (selected) and "Emulator". The "Code Composer Options" section contains two radio buttons: "Run Code Composer in the Background while running Xverify." (unselected) and "Show Code Composer while running XVerify." (selected). At the bottom of the dialog, there are three buttons: "OK", "Cancel", and "Help". The entire dialog box is labeled with the number 600.

FIG. 6D

This dialog box is titled "Xverify Options:" and has a standard Windows-style title bar with a question mark and a close button. It features a tabbed interface with six tabs: "Files", "Triggers", "Verification", "Registers" (labeled 633), "Display", and "Comments". The "Registers" tab is currently selected. Inside the tab, there is a section labeled "Address Registers" (labeled 619) which contains two radio buttons: "Track address register contents" (unselected) and "Do not track address register contents. (Indirect writes to memory using address registers will be tracked.)" (selected). The entire dialog box is labeled with the number 618 at the bottom left. At the bottom of the dialog, there are three buttons: "OK", "Cancel", and "Help".

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FIG. 6B

Xverify Options: [?] [X]

631

Files Triggers Verification Registers Display Comments

Trigger ON points cause verification to begin at that address. Trigger OFF points cause verification to stop and the program to be executed without verification up to the next ON point. Trigger STOP points halt the verification process.

Source Program

☒ Turn on verification
☐ Turn off verification
☐ Stop verification

Address

Address	Type
begin_verify	On
end_verify	Stop

608

Target Program

☒ Turn on verification
☐ Turn off verification
☐ Stop verification

Address

Address	Type
begin_verify	On
end_verify	Stop

610

602

OK Cancel Help

FIG. 6F

Xverify Options: [X]

635

Files Triggers Verification Registers Display Comments

Enter any comments for this verification document in the box below.

626

OK Cancel Apply Help

FIG. 6C

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The dialog box is titled "Xverify Options:" and has a tab bar with six tabs: Files, Triggers, Verification (selected), Registers, Display, and Comments. The main content area is divided into two sections. The first section, labeled "Stop Options", contains a checked checkbox for "Stop verification when differences are found." and a text box containing the number "20" with the label "Maximum number of steps before an unmatched item is considered to be a difference." The second section, labeled "Verification Type", contains two radio buttons: "C54x to C55x" and "C55xx phase 2 C55x phase 3" (which is selected). The dialog box has a standard Windows-style title bar with a question mark and a close button. At the bottom, there are three buttons: OK, Cancel, and Help.

632

Files Triggers Verification Registers Display Comments

Stop Options

☒ Stop verification when differences are found.

20 Maximum number of steps before an unmatched item is considered to be a difference.

Verification Type

☐ C54x to C55x

☒ C55xx phase 2 C55x phase 3

OK Cancel Help

FIG. 6E

The dialog box is titled "Xverify Options:" and has a tab bar with six tabs: Files, Triggers, Verification, Registers, Display (selected), and Comments. The main content area is divided into two sections. The first section, labeled "State Display", contains a text box containing the number "3" with the label "Number of steps to show match items before removing them." The second section, labeled "Messages", contains the text "Show the following types of log messages:" followed by four checkboxes: "Errors" (checked), "Warnings" (checked), "Information" (checked), and "Verbose Information" (unchecked). There is also a checkbox for "Diagnostics" (unchecked). Below these is a checkbox for "Log messages to file:" followed by a text box and a button with three dots. The dialog box has a standard Windows-style title bar with a question mark and a close button. At the bottom, there are four buttons: OK, Cancel, Apply, and Help.

634

Files Triggers Verification Registers Display Comments

State Display

3 Number of steps to show match items before removing them.

Messages

Show the following types of log messages:

☒ Errors ☒ Information

☒ Warnings ☐ Verbose Information ☐ Diagnostics

☐ Log messages to file: ...

OK Cancel Apply Help